

XP-002327074

(C) WPI/Derwent



AN - 1989-160436 [11]

A - [001] 014 032 034 04- 041 046 047 050 06- 075 134 135 137 15- 174 18&  
231 247 266 267 273 28& 312 329 331 341 41- 44& 44- 444 473 477 48-  
506 539 541 546 551 560 566 575 58- 583 723

AP - JP19870259349 19871014; JP19870259349 19871014; [Based on J01101346]

CPY - DAIE

DC - A18 A60 E13

DR - 0476-U 0476-U 0733-U 0733-U 1388-U 1388-U 1509-U 1510-U 1680-U

FS - CPI

IC - C08K3/22 ; C08K5/14 ; C08K13/02 ; C08L23/06 ; C08L23/16 ; H01B3/28

KS - 0009 0037 0057 0206 0224 0231 0242 0251 1180 1201 1239 2020 2225 2239  
2262 2266 2291 2293 2300 2548 2579 2599 2600 2628 2679 2727 3154

MC - A04-G06 A08-A06 A08-C05 A08-F A12-E02 E06-D05 E07-D13B E10-A04B  
E34-B01 E34-B03

M3 - [01] D012 D712 F011 F012 F013 F014 F015 F016 F580 G017 G019 G100 H213  
H403 H443 J5 J523 J592 L9 L910 L922 L999 M210 M214 M233 M240 M280 M283  
M311 M320 M323 M342 M373 M393 M412 M413 M510 M511 M520 M521 M530 M533  
M540 M782 M903 Q130 Q621 Q622 Q624 R043; 00212; 1704-X 1724-X 1711-X  
1714-X

- [02] G017 G019 G100 H401 H441 H594 H598 H599 J0 J011 J012 J2 J242 J271  
M121 M142 M210 M211 M214 M225 M231 M232 M233 M240 M271 M272 M281 M282  
M283 M312 M321 M322 M332 M342 M372 M381 M391 M392 M414 M510 M520 M531  
M532 M540 M782 M903 Q130 Q621 Q622 Q624 R043; 1704-X 1724-X 1711-X  
1714-X

- [03] G010 G012 G019 G036 G038 G039 G100 G563 J011 J271 K0 K9 K930 K999  
L660 M210 M211 M214 M231 M233 M240 M272 M280 M282 M283 M313 M314 M320  
M321 M322 M331 M340 M342 M343 M373 M381 M391 M392 M414 M415 M416 M510  
M520 M530 M531 M532 M540 M541 M620 M782 M903 Q130 Q132 Q621 Q622 R043;  
1704-X 1724-X 1711-X 1714-X

- [04] F011 F012 F013 F014 F015 F016 F019 F422 F499 F580 G012 G100 H2  
H212 H213 H716 H723 J5 J523 L9 L910 L930 L999 M210 M213 M231 M273 M280  
M283 M320 M413 M510 M521 M522 M530 M531 M540 M782 M903 Q130 Q132 Q621  
Q622 R043; 00212; 1704-X 1724-X 1711-X 1714-X

- [05] G010 G013 G019 G100 J0 J012 J2 J232 K0 K8 K820 K840 K899 L9 L952  
M280 M320 M414 M510 M520 M533 M540 M782 M903 Q130 Q132 Q621 Q622 R043;  
1704-X 1724-X 1711-X 1714-X

- [06] D013 D016 D622 M210 M211 M240 M283 M320 M412 M511 M520 M530 M540  
M782 M903 Q130 Q621 Q622 Q624 R043; 1704-X 1724-X 1711-X 1714-X

- [07] A212 A940 C101 C108 C550 C730 C801 C802 C804 C805 C807 M411 M782  
M903 M904 M910 Q130 Q621 Q622 R043; R01509-M; 1704-X 1724-X 1711-X  
1714-X

- [08] A212 A940 C108 C316 C540 C730 C801 C802 C803 C804 C805 M411 M782  
M903 M904 M910 Q130 Q621 Q622 R043; R01680-M; 1704-X 1724-X 1711-X  
1714-X

PA - (DAIE) MITSUBISHI CABLE IND LTD

PN - JP1101346 A 19890419 DW198922 006pp

- JP8013913B B2 19960214 DW199611 C08L23/16 005pp

PR - JP19870259349 19871014

XA - C1989-071077

XIC - C08K-003/22 ; C08K-005/14 ; C08K-013/02 ; C08L-023/06 ; C08L-023/16 ;  
H01B-003/28 ; (C08K-003/22 C08K-003/30 C08K-005/14 C08K-013/02)

AB - J01101346 Compsn. comprises 100 pts. wt. of ethylene-propylene-diene  
terpolymer with iodine value of 1-10, 2-15 pts. wt. of antioxidant,  
50-200 pts. wt. of at least 1 of hydrated magnesia and MgSO<sub>4</sub>, 1-5 pts.  
wt. of organic peroxide crosslinking agent and 0.1-5 pts. wt. of

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polyfunctional crosslinking aid.

- Specifically, the antioxidant is e.g., 2-mercapto benzimidazole, 1,3,5-tris(3,5-di-tert.-butyl -4-hydroxybenzyl) -s-triazine-2,4,6-(1H,3H,5H)-trione, etc. The organic peroxide crosslinking agent is e.g., dicumyl peroxide. The polyfunctional crosslinking aid is e.g. triallyl isocyanurate, etc.
- USE/ADVANTAGE - Useful as coating material of electrical wire, esp. car wire, which requires heat resistance. The compsn. has good processability and the obtd. crosslinked prod. has good electrical property, flexibility and heat resistance equivalent to that of conventional ethylene-propylene-diene terpolymer insulation compsn.(0/0)

AW - EPDM

AKW - EPDM

C - C08K13/02 C08K3/22 C08K3/30 C08K5/14

CN - R01509-M R01680-M

DRL - 1704-X 1724-X 1711-X 1714-X

IW - HALOGEN FREE FLAME RETARD HEAT RESISTANCE COMPOSITION WIRE COMPRISE POLYETHYLENE POLYPROPYLENE POLYDIENE TERPOLYMER ANTIOXIDANT MAGNESIA ORGANIC PEROXIDE CROSSLINK AGENT

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NC - 001

OPD - 1987-10-14

ORD - 1989-04-19

PAW - (DAIE ) MITSUBISHI CABLE IND LTD

RRL - 00212

TI - Halogen-free flame retardant and heat resistant compsn. for wire - comprises ethylene]-propylene]-diene] terpolymer, antioxidant, magnesia, organic peroxide crosslinking agent, etc.